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Sequence Listing was accepted.

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Reviewer: Anne Corrigan

Timestamp: [year=2008; month=3; day=11; hr=16; min=0; sec=10; ms=848;]

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Application No: 10650559 Version No: 2.0

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Finished: 2008-03-11 11:29:08.558
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Total Errors: 0
No. of SeqIDs Defined: 7
Actual SeqID Count: 7

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SEQUENCE LISTING

<110> Pritchard, David G.
Baker, John R.
Schwebke, Jane R.
Engler, Jeffrey A.

<120> Group B Streptococcal Phage Lysin

<130> P66186US01GP

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<141> 2008-03-11

<150> US 60/407,038
<151> 2002-08-29

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Met Val Val Asp Gly Val Thr Pro Tyr Ser His Val Ala Ile Phe Asp
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Ser Asp Ala Gly Gly Tyr Gly Trp Phe Leu Gly Gln Asn Gln Gly
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Gly Ala Asn Gly Ala Tyr Asn Leu Val Lys Ile Pro Tyr Ser Ala Thr
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Ala Tyr Gln Gln Ala Asp Leu Thr Thr Cys Gln Gln Ala Gly Thr
165 170 175

Thr Lys Thr Ile Ile Lys Val Ser Glu Ser Ile Ala Trp Leu Ser Asp
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Arg His Gln Gln Gln Ala Asn Thr Ser Asp Pro Ile Gly Tyr Tyr His
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Phe Gly Arg Phe Gly Asp Ser Ala Leu Ala Gln Arg Glu Ala Asp
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Ile Ile Ala Lys Tyr Pro Asn Ser Ile Trp Ile Ala Gly Tyr Pro Asp
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35 40 45Tyr Ala Arg Asp Ile Trp Glu Gln Arg His Lys Asn Gly Ile Leu Asn
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Gly Ala Asn Gly Ala Tyr Asn Leu Val Lys Ile Pro Tyr Ser Thr Thr
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Tyr Pro Thr Ala Phe Arg Pro Lys Val Phe Lys Asn Ala Val Thr Val
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Ile Gly Asn Ile Gly Leu Asn Lys Gly Asp Tyr Phe Ile Asp Val Ser
145 150 155 160

Ala Tyr Gln Gln Ala Asp Leu Thr Ala Thr Cys Gln Gln Ala Gly Thr
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Thr Lys Thr Ile Ile Lys Val Ser Glu Ser Leu Ala Trp Leu Ser Asp
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Arg His Gln Gln Gln Ala Asn Thr Ser Asp Pro Ile Gly Tyr Tyr His
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Phe Gly Arg Phe Gly Asp Ser Asn Leu Ala Gln Arg Val Ala Asp
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Leu Phe Leu Ser Asn Leu Pro Thr Lys Lys Val Ser Tyr Leu Val Ile
225 230 235 240

Asp Tyr Glu Asp Ser Ala Ser Ala Asp Lys Glu Ala Asn Thr Lys Ala
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Val Ile Ala Phe Met Asp Lys Ile Ala Asn Ala Gly Tyr Lys Pro Val
260 265 270

Tyr Tyr Ser Tyr Lys Pro Phe Thr Leu Asn Asn Ile Asp Tyr Gln Gln
275 280 285

Ile Ile Ala Lys Tyr Pro Asn Ser Ile Trp Ile Ala Gly Tyr Pro Asp
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Tyr Glu Val Arg Thr Glu Pro Leu Trp Glu Phe Phe Pro Ser Met Asp
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Gly Val Arg Trp Trp Gln Phe Thr Ser Val Gly Val Ala Gly Gly Leu
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Asp Lys Asn Ile Val Leu Leu Ala Asp Asp Ser Ser Lys Val Asp Ile

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Pro Lys Ile Asp Lys Pro Gln Ser Gln Leu Thr Phe Asn Gln Lys Leu
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Asp Thr Asn Thr Lys Leu Asp Asn Ser Asn Val Pro Tyr Tyr Glu Ala
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Thr Leu Ser Thr Asp Tyr Tyr Val Glu Ser Lys Pro Asn Ala Ser Ser
385 390 395 400

Ala Asp Lys Glu Phe Ile Lys Ala Gly Thr Arg Val Arg Val Tyr Glu
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Tyr Phe Asp Glu Val Glu Thr Met Gln Ala Gly Asp Val Ala Ile Phe
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Met Val Val Ala Gly Val Thr Pro Tyr Ser His Val Ala Ile Phe Asp
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Ser Asp Ala Gly Ser Gly Tyr Gly Trp Phe Leu Gly Gln Asn Gln Gly
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Gly Ala Asn Gly Ala Tyr Asn Leu Val Lys Ile Pro Tyr Ser Thr Thr
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Tyr Pro Thr Ala Phe Arg Pro Lys Val Phe Lys Asn Ala Val Thr Val
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Ile Gly Asn Ile Gly Leu Asn Lys Gly Asp Tyr Phe Ile Asp Val Ser
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Ala Tyr Gln Gln Ala Asp Leu Thr Ala Thr Cys Gln Gln Ala Gly Thr
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Thr Lys Thr Ile Ile Lys Val Ser Glu Ser Leu Ala Trp Leu Ser Asp
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Arg His Gln Gln Gln Ala Asn Thr Ser Asp Pro Ile Gly Tyr Tyr His
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Phe Gly Arg Phe Gly Gly Asp Ser Asn Leu Ala Gln Arg Glu Ala Asp
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Leu Phe Leu Ser Asn Leu Pro Thr Lys Lys Val Ser Tyr Leu Val Ile
225 230 235 240

Asp Tyr Glu Asp Ser Ala Ser Ala Asp Lys Glu Ala Asn Thr Asn Ala
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Val Ile Ala Phe Met Asp Lys Ile Ala Asn Ala Gly Tyr Lys Pro Val
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Tyr Tyr Ser Tyr Lys Pro Phe Thr Leu Asn Asn Ile Asp Tyr Gln Gln
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Tyr Glu Val Arg Thr Glu Pro Leu Trp Glu Phe Phe Pro Ser Met Asp
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